Smart City LOADSHIFT Oberwart

Loadshift Oberwart

The development and Living-Lab-Test operation of buildings and a user comprehensive urban load and energy-management- (EM) system for electricity, cooling and heating with the focus on the establishment of an interface capability for all building technology components and systems (complex interlacing between housing technology, energy industry, ICT and users).

Aims

Taking into account the initial situation as well as the urban vision and the available implementation concepts, LOADSHIFT have come to the following main aims: The development and Living-Lab-Test operation of buildings and a user comprehensive urban load and energy-management- (EM) system for electricity, cooling and heating with the focus on the establishment of an interface capability for all building technology components and systems (complex interlacing between housing technology, energy industry, ICT and users).

Innovation

The innovative content of Loadshift Oberwart is visibly paramount in the demonstration of the comprehensive unification and optimisation of renewable energy recovering facilities and consumption facilities in buildings with different demand profiles and their associated framework requirements (schools, production plants, waterworks, sewage treatment, housing, etc.).

Results

As the basis for the plan the basic actual energy data of the objects involved, including the available own energy supply systems, was recorded within the framework of a detailed current state analysis. In a second phase, subject to the supply obligations to be met, the identification of available flexibilities for specific objects was established (for shifting demands). The consolidation of the information, with relation to the processed data and business models, portrays the actual project status.

Quote Project manager Ing. Andreas Schneemann | Energie Kompass GmbH

„I think that we need visions and goals in order to define and form the energy system of tomorrow. Here in Oberwart we have developed an idea for how we want to try to come one step closer to those goals.“

Basic information

Business	Contact person
Siemens Aktiengesellschaft Österreich	DI MBA Wolgang Rittsteiger
Philips Austria GmbH	Norbert Kolowrat
Oberwarter gemeinnützige Bau-, Wohn- und Siedlungsgenossenschaft registrierte Genossenschaft mit beschränkter Haftung	DI Jörg RINGHOFER
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Stadtgemeinde Oberwart	Ing. Roland Poiger, MBA
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Basic Project information	
Project start	01.09.2014
Project end	31.08.2017
Project total costs	€ 2.299.359,--
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Contacts

Project management

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